

1 Hartford Square, New Britain, CT 06052
 Tel: (860) 224-6668

Customer Name: Theraplant, LLC

Customer Address: 856 Echo Lake Road
 Watertown, CT 06795

Phone Number: 860-417-6481

Sample ID: 84112414-3 (Lot 13, Extract)

Results issued on: 11-26-2014 COA No. 1023-C

Quality Control Analysis

<u>Test</u>	<u>Specification</u>	<u>Results (Pass/Fail)</u>
Microbiology	Total Aerobic Microbial Count (< 2K CFU/g)	Pass
	Total Yeast and Mold Count (< 200 CFU/g)	Pass
	Bile-tolerant Gram-negative Bacteria (absence)	Pass
	<i>Staph. aureus</i> (absence)	Pass
	<i>Pseud. aeruginosa</i> (absence)	Pass
Mycotoxins	Aflatoxin B1 (< 20 ug/Kg)	Pass
	Aflatoxin B2 (< 20 ug/Kg)	Pass
	Aflatoxin G1 (< 20 ug/Kg)	Pass
	Aflatoxin G1 (< 20 ug/Kg)	Pass
	Ochratoxin A (< 20 ug/Kg)	Pass
Heavy Metals	Arsenic - As (< 4.206 ug/g)	Pass
	Cadmium - Cd (< 2.704 ug/g)	Pass
	Mercury - Hg (< 8.712 ug/g)	Pass
	Lead - Pb (< 8.712 ug/g)	Pass
Pesticides	<i>See attachment A</i>	Pass

©2014 Pure Analytics, LLC All rights reserved. All samples tested were collected at the Customer's production facility from "batches" as designated by the Customer. All test results contained in this COA reflect the "status" of the sampled "batches" ONLY at the time of collection. Pure Analytics, LLC does not guarantee that the "status" of the sampled "batches" will not change due to any processing of any or all of the sampled "batches" following any testing by Pure Analytics, LLC

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Cannabinoid Analysis

Via Gas Chromatography (GC) Analysis

Cannabinoid	Percent by Weight (w/w)
Δ⁹-Tetrahydrocannabinol (Δ⁹-THC)	
Cannabidiol (CBD)	
Cannabigerol (CBG)	
Cannabinol (CBN)	

Via High Performance Liquid Chromatography (HPLC) Analysis

Cannabinoid	Percent by Weight (w/w)
Δ⁹-Tetrahydrocannabinol Acid (Δ⁹-THC-A)	18.60 %
Δ⁹-Tetrahydrocannabinol (Δ⁹-THC)	45.52 %
Cannabidiol Acid (CBD-A)	0.99 %
Cannabidiol (CBD)	0.37 %
Cannabigerol Acid (CBG-A)	< 0.1 %
Cannabigerol (CBG)	0.65 %
Cannabinol (CBN)	0.21 %
Cannabichromene (CBC)	0.54 %

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Terpenoid Analysis

Via Gas Chromatography Mass Spectrometry (GC-MS) Analysis

Terpene	Percent by Weight (w/w)
α -Pinene	0.06%
β -Pinene	0.05%
Limonene	0.06%
β -Myrcene	0.71%
β -Caryophyllene	0.29%
Humulene	0.12%



Results Approved by: Jose A. Zavaleta, Director

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Attachment A

Pesticide	Residue limits according to EPA in parts per billion (ppb)	Results
Avermectin (abamectin)	< 10	Pass
Acequinocyl	< 20	Pass
Bifenazate	< 100	Pass
Bifenthrin (synthetic pyrethroid)	< 50	Pass
Cyfluthrin (synthetic pyrethroid)	< 20	Pass
Etoxazole	< 10	Pass
Imazalil	< 100	Pass
Imidacloprid	< 50	Pass
Myclobutanil	< 20	Pass
Paclobutrazol	< 400	Pass
Pyrethrins (synthetic)	< 50	Pass
Spinosad	< 10	Pass
Spiromesifen	< 20	Pass
Spirotetramat	< 200	Pass
Trifloxystrobin	< 50	Pass